

University Examinations 2011/2012

SECOND YEAR, FIRST SEMESTER EXAMINATION FOR DEGREE OF BACHELOR OF COMMERCE, SECOND YEAR, FIRST SEMESTER EXAMINATIONS FOR DEGREE OF PURCHASING AND SUPPLIES MANAGEMENT

HBC 2241/HPS 2241: INTERMEDIATE MICRO-ECONOMICS

DATE: DECEMBER 2011

TIME: 2 HOURS

INSTRUCTIONS: Answer Question opne and any other two questions

QUESTION ONE (30 MARKS)

a)	Explai	n the following terms:	
	a.	Diminishing Marginal returns.	(4 marks)
	b.	Diminishing Return to scale.	(4 marks)
b)	Why is	s diminishing Marginal returns considered a short run concept	
	while	diminishing returns to scale as long run concept.	(6 marks)
c)	Explai	n the concept of elasticity of substitution.	(4 marks)
d)	Suppo	se we have a production function $Q = 5L^{0.5} K^{0.5}$. Determine	
	a.	The marginal product of labour (L).	(3 marks)
	b.	The marginal product of Capital (K).	(3 marks)
	с.	The marginal rate of technical substitution of labour for capital	
		$(MRTS_{l,k})$	(3 marks)
	d.	The elasticity of substitution of substitution of labour for capital	(3 marks)

QUESTION TWO (20 MARKS)

a)	Explain the term, Price discrimination.	(7 marks)
b)	Discuss the three types of price discrimination	(3 marks)
c)	Under what conditions will a monopolist be willing and able to engage in	
	price discriminations	(4 marks)

d) Given the demand and supply functions in a particular market as Qd = 80 - 6p

Qs = 30 + 4p

Required:

i)	Equilibrium quantity.	(3 marks)
ii)	Equilibrium price.	(3 marks)

QUESTION THREE (20 MARKS)

a)	Explain the following terms:	
	a. Pareto optimality	
	b. Externality	
	c. Natural monopoly	
b)	Discuss in details the difference between short run productions function	
	and the long run production functions.	(10 marks)

QUESTION FOUR (20 MARKS)

A production firm faces the production function $Q = 8L-24L^2 - 4L^3$		
Requi	ed:	
a.	Find the maximum points of MP and AP curves.	(6 marks)
b.	Show the MP crosses AP at its maximum point.	(4 marks)
Explai	n how production function and describe the technological	
constra	aints facing the firm.	(10 marks)
	A prod Requir a. b. Explai	 A production firm faces the production function Q =8L-24L² – 4L³ Required: a. Find the maximum points of MP and AP curves. b. Show the MP crosses AP at its maximum point. Explain how production function and describe the technological constraints facing the firm.

QUESTION FIVE(20 MARKS)

a)	Explain how the following terms are used in economics:	(4 marks)
	a. Searchy	(+ marks)
	b. Production possibility curve	(4 marks)
	c. Opportunity cost	(4 marks)
b)	Suppose a firm has a total cost given as $C = 200 + 10Q + 2Q^2$	
	Required:	
	Find the function for AFC + ATC	(8 marks)